## WHAT IS CLAIMED IS:

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1. A parallel multistage band-pass filter comprising:

a plurality of resonators having adjacent resonance frequencies and connected in parallel to each other between an input terminal and an output terminal for a transmission signal;

a first transmission line having an electrical length substantially equal to half of a wavelength of the transmission signal incorporated between a first port on an input terminal side of a (2n-1)th resonator of the plurality of resonators numbered

from the input terminal side and a second port on an input terminal side of a (2n)th

resonator of the plurality of resonators numbered from the input terminal side; and

a second transmission line having an electrical length substantially equal to half of a wavelength of the transmission signal incorporated between a third port on an output terminal side of the (2n)th resonator of the plurality of resonators numbered from the input terminal side and a fourth port on an output terminal side of a (2n + 1)th resonator of the plurality of resonators numbered from the input terminal side, in which n is a natural number.

- 2. The parallel multistage band-pass filter according to Claim 1, wherein at least one reactance element is connected between a ground and one of the input and output terminals.
- The parallel multistage band-pass filter according to Claim 1, wherein
  at least one reactance element is connected in series with an excitation element of at least one of the plurality of resonators.
  - 4. The parallel multistage band-pass filter according to Claim 1, wherein at least one of the first and second transmission lines is a dielectric coaxial line.
- 5. The parallel multistage band-pass filter according to Claim 1, wherein at least one of the first and second transmission lines is a microstrip line.

- 6. The parallel multistage band-pass filter according to Claim 1, wherein at least one of the first and second transmission lines is a lumped constant line comprising an inductance element and a capacitance element.
- 7. The parallel multistage band-pass filter according to Claim 1, wherein at least one resonator of the plurality of resonators is a dielectric coaxial resonator.
  - 8. The parallel multistage band-pass filter according to Claim 1, wherein at least one resonator of the plurality of resonators is a microstrip resonator.
  - 9. An amplifier device including the parallel multistage band-pass filter defined in Claim 1.
- 20 10. A communication device comprising the parallel multistage band-pass filter defined in Claim 1.
  - 11. A parallel multistage band-pass filter comprising:

a plurality of resonators having adjacent resonance frequencies and connected in parallel to each other between an input terminal and an output terminal for a transmission signal;

a first transmission line having an electrical length substantially equal to half of a wavelength of the transmission signal incorporated between a first port on an output terminal side of a (2n-1)th resonator of the plurality of resonators numbered from the output terminal side and a second port on an output terminal side of a (2n)th resonator of the plurality of resonators numbered from the output terminal side; and

a second transmission line having an electrical length substantially equal to half of a wavelength of the transmission signal incorporated between a third port on an input terminal side of the (2n)th resonator of the plurality of resonators numbered from the output terminal side and a fourth port on an input terminal side of a (2n + 1)th resonator of the plurality of resonators numbered from the output terminal side, in which n is a natural number.

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- 12. The parallel multistage band-pass filter according to Claim 11, wherein at least one reactance element is connected between a ground and one of the input and output terminals.
- 13. The parallel multistage band-pass filter according to Claim 11, wherein at least one reactance element is connected in series with an excitation element of at least one of the plurality of resonators.
- 14. The parallel multistage band-pass filter according to Claim 11, wherein at least one of the first and second transmission lines is a dielectric coaxial line.
- 15. The parallel multistage band-pass filter according to Claim 11, wherein at least one of the first and second transmission lines is a microstrip line.
- 16. The parallel multistage band-pass filter according to Claim 11, wherein at least one of the first and second transmission lines is a lumped constant line comprising an inductance element and a capacitance element.
- 17. The parallel multistage band-pass filter according to Claim 11, wherein at least one resonator of the plurality of resonators is a dielectric coaxial resonator.
- 18. The parallel multistage band-pass filter according to Claim 11, wherein at least one resonator of the plurality of resonators is a microstrip resonator.
- 19. An amplifier device including the parallel multistage band-pass filter defined in Claim 11.
- 20. A communication device comprising the parallel multistage band-pass filter defined in Claim 11.